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CENTRAL INTELLIGENCE AGENCY  
INFORMATION FROM  
FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

50X1-HUM

CD NO.

COUNTRY USSR

DATE OF INFORMATION 1949

SUBJECT Scientific

HOW  
PUBLISHED Daily newspapers

DATE DIST. 24 May 1949

WHERE  
PUBLISHED USSR

NO. OF PAGES 3

DATE  
PUBLISHED 27 Feb-27 Apr 1949

SUPPLEMENT TO  
REPORT NO.

LANGUAGE Russian

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## EVENTS AND DEVELOPMENTS OF SCIENTIFIC INTEREST

ACADEMY OF SCIENCES ANNOUNCES TWO CANDIDATES -- Izvestiya, No 98, 27 Apr 49

The Academy of Sciences USSR has announced the following candidates to the Academy:

Aleksandr Vasil'yevich Topchiyev, candidate for the Chemical Sciences Division, is a professor, Doctor of Chemical Sciences, and head of the Department of Organic and Petroleum Chemistry, Moscow Petroleum Institute imeni I. M. Gubkin. Topchiyev is sponsored by the Academic Council of the Petroleum Institute, Academy of Sciences USSR, the Academic Council of the Institute of Organic Chemistry, Academy of Sciences USSR, the Academic Council of the Petroleum Institute imeni Gubkin, the Ministry of Higher Education USSR, the Ministry of Petroleum Industry USSR, and Academicians N. D. Zelinskiy, S. S. Nametkin, A. N. Nesmeyanov, B. A. Kazanskiy, and S. I. Bol'shovich.

Konstantin Vasil'yevich Ostrovityanov, candidate for the Economics and Law Division, is a corresponding member of the Academy of Sciences USSR, assistant academician secretary of the Economic and Law Division, director of the Economics Institute, Academy of Sciences USSR, and a professor in the Political Economy Department, Moscow Order of Lenin State University imeni M. V. Lomonosov. Ostrovityanov is sponsored by the Academic Council of the Economics Institute, Academy of Sciences USSR, the Academic Council of the Economics Faculty and the Department of Political Economy, Moscow Order of Lenin State University imeni M. V. Lomonosov, and Academicians L. N. Ivanov, S. G. Strumilin, and V. X. Nemchinov.

The announcement is signed by Academician S. I. Vavilov, President of the Academy of Sciences USSR.

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**KAZAKH SCIENTISTS AID INDUSTRY** -- Kazakhstanskaya Pravda, No 73, 15 Apr 49

Scientific workers of the Kazakh State University imeni S. M. Kirov, together with representatives of the geophysical observatory and chemical laboratory of the Metal Geology Trust, have decided to work in closer cooperation with industrial enterprises.

The analytical chemistry department of the University is now working out physicochemical methods of determining rare elements. Instruments will be designed for conducting analyses, and will be turned over to and industrial laboratories.

The technical chemistry department is improving the gas-cylinder method of obtaining hydrogen which will be introduced in Kazakh meteorological stations. This department is also working on the method of low-temperature hydrogenation to be used in the plastic materials industry and in the production of fats.

Chemical scientists will take an active part in organizing popular lectures at industrial enterprises and will give regular assistance to laboratories of Kazakhstan and of Alma-Ata.

**STUDENT SCIENTIFIC CONFERENCE IN MOSCOW** -- Moskovskiy Bol'shevik, No 93, 21 Apr 49

The third student scientific conference opened in Moscow 20 April and will continue until 27 April. The conference was opened by D. A. Kuznetsov, chairman of the Oblast Committee of Union workers at higher educational institutions and scientific institutions.

A. M. Samarin, Vice-Minister of Higher Education USSR and corresponding member of Academy of Sciences USSR, spoke on the success of scientific research work of students.

At present, student scientific societies and clubs include more than 26,000 students in 58 VUZs.

Students of the Steel Institute imeni I. V. Stalin, the Aviation Institute imeni Ordzhonikidze, the Power Institute imeni V. M. Molotov, and the State Economics Institute have carried on scientific research work. Professor M. A. Popov, director of the Moscow Higher Technical School, spoke on the experimental work of the student scientific and technical society of that institution.

**INSTITUTE PRESENTS TECHNICAL INNOVATION** -- Zarya Vostoka, No 40, 27 Feb 49

Docent G. Makharadze, lecturer on electrical machinery at the Georgian Polytechnical Institute, has worked out a new system for the simultaneous regulation of the number of revolutions and the power factor of electric motors operating various kinds of machinery.

The new system has been approved and recommended for use in industry by the Committee for Inventions and Scientific Discoveries, Soviet of Ministers USSR.

**BALLOON SETS NEW WORLD RECORD** -- Vechernaya Moskva, No 99, 27 Apr 49

A new balloon ascension record has been set by the free balloon SSSR VR-79. Piloted by P. Polosukhin and A. Krikun, the balloon reached a height of 12,100 meters in one hour and 36 minutes. It was filled with 2,700 cubic meters of gas.

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NEW STEEL-MEASURING METHOD DEVELOPED -- Sovetskaya Sibir', No 65, 3 Apr 49

V. V. Varnello, director of the Institute of Measures and Measuring Instruments in Novosibirsk and a candidate in technical sciences, has developed a new high-speed method for determining the mechanical properties of steel.

ACADEMICIAN PORAY-KOSHITS DIES -- Izvestiya, No 91, 19 Apr 49

On 17 April 1949, Academician Aleksandr Yevgen'yevich Poray Koshits, Laureate of a Stalin Prize and one of the outstanding chemists in the USSR died, in his early seventies. He had more than 200 works and numerous inventions to his credit. For more than 40 years he was head of the chair of chemistry of dyes at the Leningrad Technological Institute imeni Lensovet.

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